Apologies if you saw this before; I had a major disk crash... - DH
[ANARTS - Australian National Amateur Radio Teletype Society]
ANARTS News Bulletin 944 2 February 1997
This is the Australian National Amateur Radio Teleprinter Society with our weekly RTTY broadcast. We transmit on the following frequencies and times :

3.545 MHz (Plus/minus 5)	0930 UTC	VK2CTD (COL)
7.045 MHz -3	0030 UTC	VK2CTD (COL)
14.070 MHz (amtor/fec)	0030 UTC	VK2DPM (ALAN)
14.091 MHz	0030 UTC	VK2DPM (ALAN)
146.675 MHz	0030/0930 UTC	VK2JPA (PAT)
144.850 MHz (ax25 bbs)		VK2JPA AT VK2WI
146.675 MHz (rtty mmbbs/repeater)		VK2RTY

INTERNET RADIO-INFO-DIST AT UCSD.EDU

Views expressed in this news bulletin are not necessarily those of the Broadcast Officer, the Relay Officers, or of the Society.

A.N.A.R.T.S. News Bulletin 944 2 February 1997

ANARTS MEETING

There will be a meeting of the Society next Friday evening at 7.30 pm in West Lane Cove. Items to be discussed include the Wyong Field Day and possible problems in disseminating news of the ANARTS Worldwide RTTY Contest with news of the demise of two magazines in the digital field - the Digital Journal and SARTG Newsletter.
Come along and share your views. Contact Col VK2CTD QTHR or ring 9427 0530 a/h.

Silent key

I have been advised by Glen vk6iq that the highly esteemed member of our RADIO AMATEUR OLDTIMER GROUP Passed away Monday night at approx 7-00 p.m. R.I.P. Fred your many years of PAIN are no more..
The Funeral notice will appear in Thursdays West Australian Newspaper giving FULL details of the arrangments. Present information to hand is that it will be a Burial Service at Karrakatta Cemetery Friday afternoon , as yet the time has to be determined .
All VK6 R.A.O.T.C. Members and Friends are requested to attend and pay their last respects to one of our Radio Pioneers and a FRIEND to all who new him .
Vale VK6FH. De Clem VK6CW.

Col's Column

This week we continue with the ''Early Telegraph''. Starting with a giant, Joseph Henry. His story is quite a long one and it will probably take 3 or 4 weeks to relate. These early experiments fascinate me, without them we would not now be getting excited about the Heard Island Dx-expedition and the

like. If you miss receiving the cast any Sunday and miss these notes, make sure you catch it on Packet Radio addressed to RTTY at VKNET.

Joseph Henry was a cultured and unassuming man who carried out some remarkable experiments of great value to the Telegraph and indeed to Electrical Engineering. Henry has been pretty much neglected by Scientific Historians, even in America, his own country. This despite the fact that his work was successful and of the greatest value. He did not patent any of the apparatus he developed and was reluctant to publish the results of his experiments. Because he delayed publishing his work on Electromagnetic Induction, he was beaten to it by the Englishman Michael Faraday, thus losing for American Science the great honour of this fundamental discovery.

In 1826, henry witnessed a lecture by J.F. Dana. The lecture concerned an electromagnet constructed by William Sturgeon (England 1783-1850). The magnet fired Henry's imagination and he condtructed an improved model with increased magnetic power. He insulated the wire, instead of the Core as Sturgeon had done. In this way he was able to use many closely wound turns of wire in several layers. Henry wound the wire at nearly right angles to the core, thus utilising the magnetic field of the current to the full. He exhibited his electromagnet at the Albany Institute N.Y., where he was a Professor. His experiments with this apparatus was not published till 1831.

Finally for this week, to provide power for his equipment, Henry carried out experiments with batteries consisting of many cells in series, that is, he connected Zinc to Copper, Zinc to Copper and so on, the 'free' Zinc and the 'free' Copper in the two end cells being the terminals of the battery. We now know that such a battery has a high voltage and a high resistance, Hentry called it an ''Intensity Battery''. On the other hand he tried using a single cell in a big container with one large copper and one large Zinc plate. This he called a ''Quantity Battery". We now call it a low-volage, low resistance cell. These batteries had a profound influence upon the Telegraph both in America and in Europe.

Thats all for this week, the next episode gets a little technical, so you have one week to brush up on Ohms law, (and me).

73s DE Col VK2CTD.

MEMORY IN MINIATURE

A new substance that could multiply computer memory 100,000 (one hundred thousand) times has been discovered by scientists. the find concerns the behaviour of a Molecule sized magnet created from Manganese, Oxygen, Carbon and Hydrogen. If scientists can devise a technology to read and write from the tiny magnet, it will create the basis for a data storage unit one molecule in size. using magnets the size of molecules, it is theoretically possible to store hundres of gigabytes of data in an area no larger than the head of a pin. The announcement was made by researchers at the University of Barcelona, Spain on 28th Jan 1997.

>From the Sydney Daily Telegraph, Weds 29 Jan 1997.

IPS WEEKLY SOLAR AND GEOPHYSICAL REPORT

(24 JANUARY - 30 JANUARY)

ISSUED ON 31 JANUARY 1997

SUMMARY

Date	24	25	26	27	28	29	30
10cm	74	73	74	74	73	75	74
A	4	7	15	18	20	8 (	8 ESTIMATED)
T	14	16	14	-22	20	-32	-4

SOLAR ACTIVITY WAS VERY LOW ALL WEEK.

THE GEOMAGNETIC FIELD AT LEARMONTH, W.A. WAS QUIET FROM 24TH JANUARY UNTIL 1000 UT ON 26TH WHEN MINOR STORM LEVELS WERE REACHED, UNSETTLED TO ACTIVE ON 27TH, UNSETTLED TO MINOR STORM ON 28TH, REDUCING TO QUIET TO UNSETTLED ON 29TH. cONDITIONS INCREASED FROM QUIET TO ACTIVE ON 30TH. THERE WERE SHORT PERIODS OF SPREAD F ON ALL DAYS EXCEPT 29TH, WITH SOME SPORADIC E OBSERVED ON 26TH.

FORECAST (31 JANUARY - 06 FEBRUARY)

SOLAR: VERY LOW

GEOMAGNETIC: MAINLY QUIET, WITH UNSETTLED TO ACTIVE PERIODS POSSIBLE DURING 5TH TO 6TH FEBRUARY.

FREQUENCIES: NEAR PREDICTED MONTHLY VALUES.

Courtesy IPS Radio and Space Services.

RTDX0124 RTTYDX
VK2SG RTTY DXNOTES FOR WEEK ENDING 24 JAN. 1997 (BID RTDX0124)

This is the last weekend for VK0IR. After Heard Island, you will have an opportunity to put St. Peter & Paul Rocka into your RTTY log. See note below. P.S. Heard Is had 80,673 logged QSOs according to the Heard Is Listserver.

Our information this week came from DJ3IW and the Central Europe DX Cluster DB0SPC, I5FLN and the IK5PWJ Packetcluster, IK1HSR, OH2BUA, W5KSI, WB2CJL, WX5L, ZS5S and the Minnesota DX Packetcluster Network.

Friday 17
0732-14078 VK0IR
0843-14083 A92GE
1332-14081 US0HZ
1345-14233 HA5BSW SSTV
1349-14089 VK6APW
1405-14085 VU2RCT
1410-14235 4Z4UT SSTV
1547-14080 VK0IR Wkg EU
1734-14080 VK0IR
1905-14080 VK0IR
1913-14083 9Q5PA

1928-14083 3DA0CA
2023-14083 VK2KM
2315-14079 LU7DID/Y

Saturday 18
0029-14082 VK0IR
0242-14082 VH0IR
0742-14083 OD5NJ
0753-21082 XU2FB QSL via N4JR
0837-14082 EK6OCM
1016-14085 OY4TN
1149-7043 VK3NQ
1239-14080 A71A
1326-14085 T9/WA5IQK
1345-14091 UA6JBQ
1428-14086 ES7FQ
1441-14086 YB5NOF/8
1512-14083 OD5NJ
1518-14088 HA/W0YR
1547-14079 8Q7QC
1600-14089 OY4TN
1717-14080 9Q5PA
1720-14085 ZS8IR
1725-14081 ZS1NQ
2324-14086 VP8CKN
2335-14089 CX8DX

Sunday 19
0236-7038 LU8RM Amtor ARQ
0549-14085 XU2FB
0746-14082 EK6OCM
0824-14085 RN1NE
0911-14086 TA2IO
0926-14084 YB2CPO
0950-14085 S79MAD QSL via GW5WVO
1038-14090 7X2RO
1209-14089 OY4TN
1328-14088 UT0ZZ
1523-14085 UA2CZ Kaliningrad
1529-14082 OD5NJ
1614-14081 VK0IR QSX up
1627-14080 VK0IR
1639-14078 VK0IR PACTOR QRM
1656-14080 S0RASD
1715-14081 9G1UW
1717-14075 VK0IR
1808-14081 OD5NJ
1826-14083 EA8RA
1834-14083 9Q5PA
1916-14082 GW3YDX
1949-14092 5Z4FN
1956-14088 EA9JZ
2014-14087 TI5AER
2237-14087 9Q5PA

Monday 20
0003-14082 LU4EMT
0532-14079 VK0IR QSX up 5 exactly
0611-14079 VK0IR
0725-14079 VK0IR
0752-14084 OD5NJ
1131-14084 OY4TN
1307-14087 9A3FT

1331-14088 T9/WA5IKQ
1337-14089 TA2IO
1617-14085 ZS8IR
1739-14083 9Q5PA
1815-14078 VK0IR
2330-14080 VK0IR

Tuesday 21
0025-14080 VK0IR
0125-14086 VP8CKN
0140-14086 HF0POL South Shetlands
0922-14078 V51GB
1312-14089 OY4TN
1651-14085 XT2DP
1739-14087 EA9JZ QSL via POB 330, Melilla, via Spain
2156-14081 VK0IR
2326-14081 VK0IR

Wednesday 22
0001-14081 VK0IR
0047-14082 HF0POL
0142-14085 CE3GN
1336-7031 S79MAD
1355-14082 UT2UF
1403-14088 OY4TN
1547-14084 9A3FT
1707-14087 EA9JZ
2229-7036 T77WI

Thursday 23
0043-14080 VP8CKN
0259-14080 VK0IR
0500-14080 VK0IR
1009-14083 A71BH
1328-14080 VP2EBR
1337-14083 UA1WER
1337-14086 RZ3AZ
1340-14228 HA5CAR SSTV
1355-14083 XE3ARV
1357-14085 VK6APW
1407-14288 EA8IT SSTV
1635-14080 VK0IR

notes of Interest:
ST. PETER & ST. PAUL ROCKS, PY0 - The RTTY equipment sent by Randy, WX5L, to Karl, PS7KM, has been received, Karl has hooked it up to his TS-50S and checked it out on the air with VP8CKN. The DXpedition will arrive at the Rocks around 5 February after a 4-1/2 day boat ride.

Karl, PS7KM, will operate as ZY0SK on SSB/RTTY. QSL to CBA. Tino, PT7AA, will operate as ZY0SG on CW. QSL to CBA. They plan to stay on the island 2-3 weeks.

The VK2SG RTTY DX NOTES are also available on Internet at reflector digital-dx(at)st.rim.or.jp . See also the OH2BUA WebCluster at URL http:www.clinet.fi/jukka/webcluster.html

For next week's bulletin send your bandpass ansd notes of Interest to Luciano I5FLN at ZS5S.ZAF.AF

73 es good hunting

de Jules W2JGR at W5KSI.(hashsign)NOLA.LA.NA

ARLD004 DX news

This week's bulletin was made possible with info provided by Tedd, KB8NW, the OPDX Bulletin, Stephan, N2MAU, 425DX News, the DXNS and Contest Corral from QST. Thanks to all.

VIETNAM, 3W. Rolf, SM5MX, is QRV as XV7SW and has been working the US West Coast on 160 meters. Please note that 1827 kHz is his only permitted frequency. He will be QSX on 1824 kHz. QSL to SM5MX.

MADAGASCAR, 5R. Maurizio, 5R8FH, is a lay missionary in Madagascar and is active on 20 and 15 meters. QSL via I1PIN.

ANTARCTICA. ZL5ANT is reported QRV from Scott Base on 40 meter CW around 1600 to 1700z. 8J1RL is QRV on 40 and 20 meter CW from Showa Base. CE9OH is QRV from O'Higgins Base at 2300 to 0200z.

INDONESIA. Tjok, YB0RX, states the IOTA Dxpedition to Tukang Besi Islands has been rescheduled for March 1997. They will use the callsign 8B8WI. 8B8KB, worked on 40 meter CW and other frequencies, was a PIRATE.

A tidbit from

The Ohio/Penn Dx PacketCluster
DX Bulletin No. 289

OH0, ALAND ISLAND. From January 31st through February 2nd, OH1NX, OH1NYP, OH1TX and OH2BH (returning from his XX9TR operation this past weekend) will activate OH0NYP on 160 meters. The variety of other callsigns may be heard on the higher bands. The 160 meters station will transmit 1825 kHz, especially focusing on the JA and U.S. openings.

Also, members of the Contest Club Finland will be working CQ 160 Meter Contest as OH0AM from Aland Islands. They are especially looking for the USA and Japan with their new antenna. Operators are OH1EH, OH1MDR, OH6EI and OH6YF. Outside the contest, Harry, OH6YF, will be looking for the WARC band QSOs as OH0MYF.

COMING EVENTS

FEBRUARY 8-9TH CQ WW RTTY CONTEST

Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD at VKWI2, or the Secretary (Pat) VK2JPA

at VK2WI.

Email address for the Broadcast Officer is :

patl(at)pitt.conmusic.su.oz.au
or patl(at)extro.ucc.su.oz.au

Email address for the President is :

colin.davies(at)dse.com.au
or cdavies(at)sunink.com

73s de Pat VK2JPA Broadcast Officer
--
Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2KFU.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | D8 15 71 F9 26 C8 63 40 5E 63 5C 65 FC A0 22 99